

FILED VIA IBFS

Date: 14 August 2020

To: Marlene H. Dortch
 Office of the Secretary
 Federal Communications Commission
 445 Twelfth Street, S.W.
 Washington, D.C. 20554

Re: IBFS File Nos. SAT-LOA-20170508-00071; SAT-AMD-20200528-00064
 Call Sign S3014

Dear Ms. Dortch,

Pursuant to a request from International Bureau (“Bureau”) staff, Astro Digital US, Inc. (“Astro Digital”) submits this letter clarifying the frequencies the company seeks to use for its Landmapper system (Call Sign S3014). Those frequencies are specified in the table below:

Table 1. Landmapper System Frequencies

Frequency Band	Direction	Use
UHF		
400.48 – 400.52 MHz	space-to-Earth	TT&C
400.155 – 400.195 MHz (Landmapper-BC 3 only) ¹		
402.88 – 402.92 MHz	Earth-to-space	TT&C ³
402.58 – 402.62 MHz (Landmapper-BC 3 only) ²		
Big LEO		
1615 – 1617.775 MHz ⁴	space-to-space	TT&C (backup)

¹ As stated in condition 8 of Astro Digital’s most recent license grant, Astro Digital has only limited authority to operate on the 400.155 – 400.195 MHz frequencies and only with respect to Landmapper-BC 3. See Stamp Grant, Astro Digital, IBFS File No. SAT-LOA-20170508-00071 (granted in part Aug. 1, 2018). Astro Digital is not requesting authority to operate on these frequencies for upcoming Landmapper satellites.

² As stated in condition 9 of Astro Digital’s most recent license grant, Astro Digital has only limited authority to operate on the 402.58 – 402.62 MHz frequencies and only with respect to Landmapper-BC 3. See Stamp Grant, Astro Digital, IBFS File No. SAT-LOA-20170508-00071 (granted in part Aug. 1, 2018). Astro Digital is not requesting authority to operate on these frequencies for upcoming Landmapper satellites.

³ The UHF TT&C uplink will be used for backup purposes for all upcoming Landmapper satellites, as discussed in the Astro Digital amendment application, IBFS File No. SAT-AMD-20200528-00064, Narrative at 8-9 and n.25 (filed May 28, 2020).

Frequency Band	Direction	Use
2483.5 – 2495 MHz	space-to-space	TT&C (backup)
Ka band		
25.5 – 27.0 GHz	space-to-Earth	Data downlink
29.9 – 30.0 GHz	Earth-to-space	Data flow control
S band		
2025 – 2110 MHz	Earth-to-space	TT&C

Please do not hesitate to contact me if you have any questions.

Best regards,

/s/ Chris Bidy

Chris Bidy
CEO
Astro Digital US, Inc.
chris@astrodigital.com

cc: Sankar Persaud
Alyssa Roberts

⁴ As stated in Astro Digital's most recent license grant, Astro Digital operation on these frequencies is pursuant to the authorizations of Globalstar. See Stamp Grant, Astro Digital, IBFS File No. SAT-LOA-20170508-00071, at n. 4 (granted in part Aug. 1, 2018).